

Abstract

The present patent application relates to a hollow elongated structural design component (1) for automotive vehicles. The component (1) has a portion bendable when a collision load is applied in a longitudinal direction of the thereof, which portion has an initial closed cross-section essentially orthogonal to said longitudinal direction. The component (1) comprise means (2a) arranged to, during the initial stages of bending, essentially maintain the initial cross-section of said portion. A characterizing feature of the component is that it further comprise means (3) arranged to, during the initial stages of bending, induce local buckling at multiple distributed locations along a delimiting wall (1a) of said structural design component (1) arranged to ,upon bending, being subject to negative pushing stresses. Hereby an increased energy absorption during bending collapse of the member (1) is provided for.

15